

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/050484

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03L7/10 H03L7/099 H03L7/095

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 2003/146794 A1 (YAMAGISHI AKIHIRO ET AL) 7 August 2003 (2003-08-07)	1
A	paragraph '0006! - paragraph '0045!	2-18
X	US 5 521 947 A (MADSEN ET AL) 28 May 1996 (1996-05-28)	1
A	column 4, line 32 - column 5, line 30	2-18
A	US 5 821 818 A (IDEI ET AL) 13 October 1998 (1998-10-13) the whole document	
A	US 2002/075080 A1 (NELSON DALE H ET AL) 20 June 2002 (2002-06-20) the whole document	
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

12 August 2005

Date of mailing of the international search report

19/08/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Kahn, K-D

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/050484

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 6 574 288 B1 (WELLAND DAVID R ET AL) 3 June 2003 (2003-06-03) cited in the application the whole document</p> <p>-----</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/050484

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003146794 A1	07-08-2003	JP 2003234651 A EP 1341308 A1	22-08-2003 03-09-2003
US 5521947 A	28-05-1996	EP 0688446 A1 EP 0731569 A2 JP 8507667 T WO 9420888 A2 US 5471187 A US 5515364 A US 5453714 A	27-12-1995 11-09-1996 13-08-1996 15-09-1994 28-11-1995 07-05-1996 26-09-1995
US 5821818 A	13-10-1998	JP 9162730 A	20-06-1997
US 2002075080 A1	20-06-2002	NONE	
US 6574288 B1	03-06-2003	NONE	